

WHAT IS CLAIMED IS:

1. A pet food feeder, comprising

a support rod, being a main structure of the whole pet food feeder;

a connecting member, disposed on said support rod and comprising a vertical first
5 connecting surface on one side, and said first connecting surface transversely
extending a pivotal axis, at least two fixing holes on said first connecting surface,
and said fixing holes being disposed equidistant from the axis of said pivotal axis;

a supporting member, being a structure for holding a food bin, and at one side
10 having a vertical second connecting surface, and comprising an axial hole for
receiving said corresponding pivotal axis disposed on said second connecting
surface, and a positioning latch for being inserted into said corresponding fixing
hole to constitute the connection between the pivotal axis and axial hole such that
the second connecting surface of the supporting member being in contact with the
15 first connecting surface of said connecting member to constitute the connection
between said supporting member and support rod, and said positioning latch being
inserted into one of said fixing holes to fix the angle of elevation for the opening
of said food bin, and said positioning latch being inserted into the other fixing hole
to adjust the angle of elevation for the opening of said food bin, such that the food
20 in said food bin being collected at the lowest point of the bottom of the food bin to
facilitate the feeding of pets.

2. The pet food feeder of claim 1, wherein said support rod at its bottom comprises a
bottom plate for placing the entire pet food feeder on a floor.

3. The pet food feeder of claim 1, wherein said support rod at its bottom comprises a
bottom plate and said bottom plate has a rear panel on one side and an associating
25 member disposed at the top of said support rod for coupling the rear panel to
secure the support rod structure.

4. The pet food feeder of claim 1, wherein said connecting member is a ring structure
being sheathed onto said support rod for securing the connecting member and
support rod in a corresponding position by screws.

5. The pet food feeder of claim 1, wherein said supporting member at one side comprises an accommodating section, and said second connecting surface is a plate structure for covering the opening of said accommodating section, and said axial hole is a tubular structure being extended from one side of said accommodating section, and coupled with the pivotal axis by an end cover disposed on one end of the pivotal axis which is inserted into said accommodating section.
6. The pet food feeder of claim 5, wherein said second connecting surface at one side corresponding to said accommodating section comprises a protruded ear being extended into said accommodating section, and a lock hole being disposed on said protruded ear, and said supporting member comprises a hole being aligned with said lock hole to facilitate the connection of said supporting member from the outside and secure said second connecting surface with said supporting member.
7. The pet food feeder of claim 5, further comprising a through hole disposed on said second connecting surface at a position corresponding to said fixing holes on said first connection surface, a sliding base disposed on one side of said accommodating section facing said hole, a sliding member at its top having an aslant pushing surface disposed on said sliding base, a press button disposed on said supporting member such that said press button constitute a pressing on said aslant pushing surface of said sliding member, and said positioning latch being disposed on one side of said through hole facing said sliding member, and a spring disposed between said sliding member and said sliding base, and said positioning latch being protruded from said second connecting surface by said spring under normal conditions to push said sliding member towards said through hole, and said press button protruded above the surface of said supporting member; when said press button being pressed, said press button triggering said sliding member to move towards said spring such that said positioning latch being withdrawn into said second connecting surface and rotating said supporting member in a desired direction to adjust the angle of elevation for the opening of said food bin, and then said press button being released; when said supporting member being rotated to a

position where said positioning latch being aligned to the predetermined fixing hole, the pushing of said spring aligning said positioning latch to insert into the corresponding fixing hole to accomplish the adjustment of the angle of elevation for the opening of said food bin.

- 5 8. The pet food feeder of claim 1, wherein said first and second connecting surfaces respectively comprise an arc groove and a protrusion for simultaneously rotating said supporting member and sliding said protrusion into said arc groove, thereby keeping said supporting member being rotated within a safety angle in said arc groove.
- 10 9. The pet food feeder of claim 1, wherein said supporting member is a ring structure being sheathed onto said food bin.
10. The pet food feeder of claim 1, wherein said supporting member is a structure integrally coupled with said food bin.
- 15 11. The pet food feeder of claim 1, wherein said supporting member is a ring structure being sheathed onto said food bin and comprises a scale at the bottom of said supporting member to support said food bin and measure the weight contained in said food bin.